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TOWNSEND AND TOWNSEND AND CREW LLP BABAK KUSHA TWO EMBARCADERO CENTER, 8TH FLOOR SAN FRANCISCO, CALIFORNIA 94111-3834 Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/09/2002

REEL/FRAME: 012908/0087

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

STETSON, PAUL F.

DOC DATE: 04/23/2002

ASSIGNEE:

NELLCOR PURITAN BENNETT INCORPORATED 4280 HACIENDA DRIVE PLEASANTON, CALIFORNIA 94588

SERIAL NUMBER: 10033703

PATENT NUMBER:

FILING DATE: 11/02/2001

ISSUE DATE:

ALLYSON PURNELL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Attorney Docket No.: 09103-017400

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Paul F. Stetson, of 19 Montell Street, Oakland, California 94611; hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

BLIND SOURCE SEPARATION OF PULSE OXIMETRY

SIGNALS

Filing Date:

November 2, 2001

Application No.:

10/033,703; and

WHEREAS, Nellcor Puritan Bennett Incorporated, a corporation of the state of Delaware, located at 4280 Hacienda Drive, Pleasanton, California 94588, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

Assignment Attorney Docket No.: 09103-017400 Page 2

IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated.

Dated: 23 Apr 2002	Paul F. Stetson
On April 23, 200 personally appeared Paul F. St.	before me, LIST R. Benedick, Notory Public etson, personally known to me (or proved to me on the basis of name is subscribed to the within instrument, and acknowledged to me capacity, and that by his signature on the instrument the person, or the executed the instrument.
WITNESS my hand and official seal.	
	Smark Benedick NOTARY PUBLIC
My Commission Expires: 4/1/2004 WC 9037953 v1	LISA R. BENEDICK Commission # 1258983 Notary Public - California
	Contra Costa County My Comm. Expires Apr 1, 2004

Attorney Docket No.: 09105 J 17400 Client Ref. No.: 0259R-ICA

Title of Invention

Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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BLIND SOURCE SEPARATION OF PULSE OXIMETRY SIGNALS

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

As the below named inventor(s), I/we declare that:				
This declaration is directed to) :			
	The attached application, or	The attached application, or		
⊠	Application No. <u>10/033,703</u> ,	Application No. <u>10/033,703</u> , filed on <u>November 2, 2001</u> ,		
	as amended on((if applicable);		
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;				
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;				
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and				
All statements made here information and belief are	ein of my/our own knowledge believed to be true, and furthe	e are true, all statements made herein on er that these statements were made with the punishable by fine or imprisonment, or both, he application or any patent issuing thereon.		
FULL NAME OF INVENTOR				
FULL NAME OF HAVENIO	R(S)	4		
David S	Stateon	_Date:		
David S	Stateon	_Date:		
Inventor one Paul F. Signature: Punl J.	Stetson	Citizen of: US		
Inventor one Paul F. S Signature: Punl J.	Stetson	1		
Inventor one Paul F. S Signature: Punl J. Inventor two Signature:	Stetson	Citizen of: US Date: Citizen of: Date:		
Inventor one Paul F. S Signature: Punl J. Inventor two Signature: Inventor three Signature:	Stetson	Citizen of: US		
Inventor one Paul F. S Signature: Punl J. Inventor two Signature: Inventor three Signature:	Stetson	Citizen of: US Date: Citizen of:		

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents Washington, DC 20231. Patents, Washington, DC 20231. WC 9031181 v1

Additional inventors are being named on

additional form(s) attached hereto.

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PTO/SB/81 (02-01)
Approved for use through 10/31/2002. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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and the state of t				
POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	10/033,703		
	Filing Date	11/2/01		
	First Named Inventor	Stetson, Paul F.		
		Blind source separation of pulse		
	Title	oximetry signals 3736		
	Group Art Unit	Unassigned		
	Examiner Name			
	Attorney Docket Number	09103-017400		

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☐ Applica	ant/Invento	or.	_						
⊠ Assign	ee of reco	ord of the entire in	nterest. See 37 CFR 3.	71.					1
Stateme	ent under	37 CFR 3.73(b)	is enclosed. (Form PTC)/SB/96)				
			ICHATURE of Applica	nt or A	ssignee of Re	ecord			
Name	De	nnis E K	Mach, Assista	nt S	ecretary,	Nellcor	Puritan	Bennett	In
Signature	1	The							
Deta	Ar	ril 23, 20	002						
NOTE: Signs	atures of	all the inventors	or assignees of recor	d of the	entir inter	storth irr p	ores ntativ (s) are required	1.
Submit multi	ple forms	if more than or are submitted.	ne signature is required	ı, se t	Jeiuw .				

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. WC 9037985 v1

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 3	7 CFR 3.73(b)		
Applicant/Patent Owner: Paul F. St tson			
Application No./Patent No.: 10/033,703 Filed/Is	sue Date: November 2, 2001		
Entitled: BLIND SOURCE SEPARATION OF PULSE OXIMETRY			
a compration			
(Name of Assignee) (Type of Assignee,	e.g., corporation, partnership, university, government agency, etc.)		
states that it is:			
1. X the assignee of the entire right, title, and interest; or			
2. an assignee of an undivided part interest			
in the patent application/patent identified above by virtue of either:			
	/patent identified above. The assignment was		
 A.	Frame, or for which a copy thereof is		
attached.	·		
OR ·	to the current assignee as		
B. A chain of title from the inventor(s), of the patent application shown below:	/patent identified above, to the current assigned as		
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Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]			
The undersigned (whose title is supplied below) is empowered to	sign this statement on behalf of the assignee.		
	11/1/2/2		
April 23, 2002	Signature		
Date	Dennis E. Kovach		
	Typed or printed name		
	Assistant Secretary		
	Title		
1			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Attorney Docket No.: 09103-017400

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SIGNALS

Filing Date:

November 2, 2001

Application No.:

10/033,703; and

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For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.



Assignment

Attorney Docket No.: 09103-017400 Page 2



IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated.

Dated: 23 Apr 2002	Paul J. State Paul F. Stetson
STATE OF CALIFORNIA) COUNTY OF Glameda)	1 in a garage of the Martine Publica
personally appeared Paul F. Stetsor satisfactory evidence) to be the person whose name that he executed the same in his authorized capace entity upon behalf of which the person acted, exec	, before me, Light Renedick Notory Public , personally known to me (or proved to me on the basis of the is subscribed to the within instrument, and acknowledged to me ity, and that by his signature on the instrument the person, or the uted the instrument.
WITNESS my hand and official seal.	
	Sma Renedical NOTARY PUBLIC
My Commission Expires: 4/1/2004	
WC 9037953 v1	LISA R. BENEDICK Commission # 1258983 Notary Public - California & Contra Casta County

